

Table 1 Fiber quality traits of parents and generations

Trait	Parents/ Generations	Min	Max	Average	Coefficient of variation (%)	Standard deviation	Skewness	Kurtosis
Fiber upper half mean length (mm)	P ₁			31.24		0.13		
	P ₂			28.20		0.10		
	F ₁			30.80		0.12		
	F ₂	26.63	32.76	29.81	4.90	1.46	-0.27	-0.22
	F _{2:3}	28.01	33.23	30.69	3.26	1	-0.04	-0.36
	F _{2:9}	27.56	33.32	29.61	3.51	1.04	1.03	0.38
Fiber strength (cN.tex ⁻¹)	P ₁			33.50		0.13		
	P ₂			28.90		0.11		
	F ₁			33.08		0.12		
	F ₂	24.8	33.7	29.36	6.27	1.84	-0.18	-0.5
	F _{2:3}	28.5	37.5	32.09	4.92	1.58	0.15	-0.06
	F _{2:9}	24.7	36.8	31.21	6.18	1.93	-0.05	0.1
Fiber micronaire value	P ₁			4.43		0.01		
	P ₂			4.94		0.04		
	F ₁			4.68		0.01		
	F ₂	3.6	6.04	5.05	8.12	0.01	-0.81	0.99
	F _{2:3}	3.48	5.71	4.78	7.74	0.37	-0.23	0.37
	F _{2:9}	4.42	6.17	5.46	5.49	0.30	-0.39	0.02
Fiber elongation (%)	P ₁			6.18		0.01		
	P ₂			6.90		0.06		
	F ₁			6.63		0.02		
	F ₂	5.7	7.1	6.32	3.96	0.25	0.40	0.05
	F _{2:3}	5.7	6.7	6.23	2.73	0.17	-0.02	0.21
	F _{2:9}	5.4	8.6	6.83	7.76	0.53	0.15	-0.09
Fiber uniformity (%)	P ₁			85.03		0.20		
	P ₂			82.76		0.11		
	F ₁			83.02		0.13		
	F ₂	81.7	87.5	85.48	1.10	0.94	-0.57	0.81
	F _{2:3}	80.6	88.5	84.72	1.51	1.28	-0.28	0.23
	F _{2:9}	80.7	87.1	84.49	1.25	1.06	-0.21	0.13